

*K. Karhu
Preliminary Amendment
Divisional Application*

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in this divisional application:

LISTING OF CLAIMS:

Claims 1-33 (canceled).

Claim 34 (original) A method for forming a resonator structure, the method comprising:

forming a dielectric resonator having at least two crossing members;
forming an enclosure with a cavity;
attaching the dielectric resonator directly to the cavity; and
positioning tuning members adjacent to the dielectric resonator through a selected surface of the cavity.

Claim 35 (original) The method of claim 34, wherein forming a dielectric resonator comprises pressing the dielectric resonator to the enclosure.

Claim 36 (original) The method of claim 34, wherein attaching the dielectric resonator comprises sintering the resonator to the enclosure.

Claim 37 (original) The method of claim 34, and further comprising:
forming a recess in a surface of the enclosure;
forming a recess in a surface of the dielectric resonator; and
aligning the recesses in the enclosure and the dielectric resonator when attaching the resonator to the surface of the enclosure.

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Claim 38 (original) The method of claim 34, wherein forming a dielectric resonator includes forming at least one coupling groove at an intersection of the at least two crossing members.

Claim 39 (original) The method of claim 34, and further comprising positioning at least one mode coupling adjacent to an intersection of the at least two crossing members.

Claim 40 (original) The method of claim 38, and further comprising positioning at least one mode coupling adjacent to an intersection of the at least two crossing members.

Claims 41-49 (canceled).